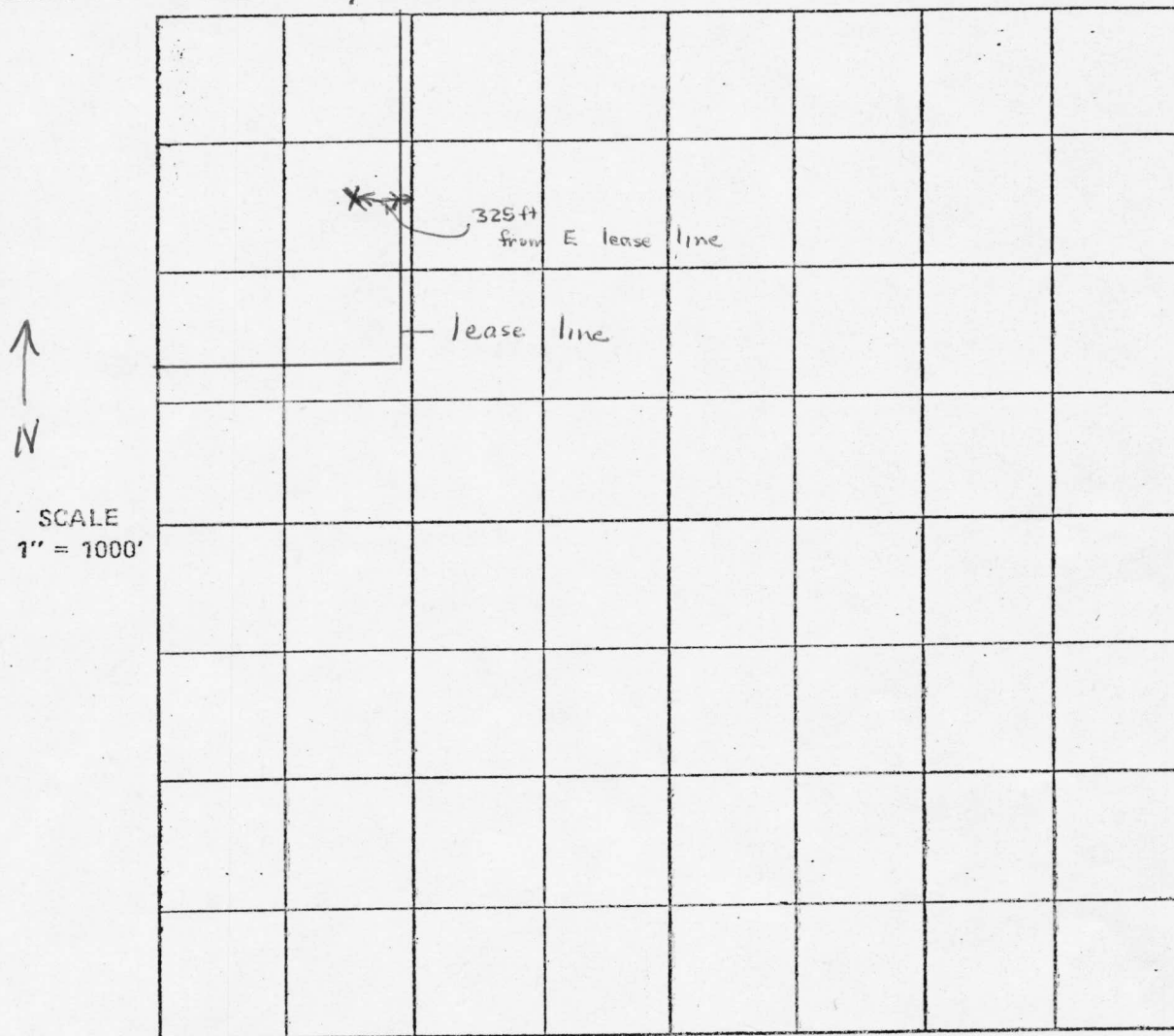


APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐

DESCRIPTION OF WELL AND LEASE									
Name of lease <b>KAW DEVELOPMENT</b>				Well number <b>KAW - 1</b>			Elevation (ground) <b>960 ft.</b>		
WELL LOCATION (give footage from section lines) <b>1150</b> ft. from (N) sec. line <b>1100</b> ft. from (W) sec. line									
WELL LOCATION Section <b>19</b> Township <b>45N</b> Range <b>32 W</b>							County <b>CASS</b>		
Nearest distance from proposed location to property or lease line: <b>325</b> feet					Distance from proposed location to nearest drilling, completed or applied — for well on the same lease: <b>NONE</b> feet				
Proposed depth: <b>480 ft.</b>			Rotary or Cable tools <b>ROTARY</b>			Approx. date work will start <b>Feb. 28, 1974</b>			
Number of acres in lease: <b>101 acres</b>				Number of wells on lease, including this well, completed in or drilling to this reservoir: <b>NONE</b>  Number of abandoned wells on lease: <b>NONE</b>					
If lease, purchased with one or more wells drilled, from whom purchased: Name _____ Address _____							No. of Wells: producing _____ inactive _____ abandoned _____		
Status of Bond Single Well <input checked="" type="checkbox"/> Amt. <b>\$1000.00</b> Blanket Bond <input type="checkbox"/> Amt. _____ <div style="text-align: right;"><input type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED</div>									
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.  <div style="text-align: center; font-size: 1.2em;">DOES NOT APPLY</div>									
Proposed casing program:					Approved casing — To be filled in by State Geologist				
amt. <b>50'</b>	size <b>6 5/8"</b>	wt./ft. <b>14 lbs</b>	cem. <b>50'</b>	amt. <b>60</b>	size <b>6 5/8"</b>	wt./ft. <b>14</b>	cem. <b>circ to surface</b>		
<b>480'</b>	<b>2 5/8"</b>		<b>100'</b>	<b>480'</b>	<b>2 5/8"</b>		<b>280'</b>		
I, the undersigned, state that I am the _____ of the _____ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. <div style="text-align: right;">Signature <b>Charles E. Wolcott</b></div>									

200' ± TD (approx 450-80)

## WELL LOCATION PLAT

Owner: Charles E. WallaceLease Name: KAW DEVELOPMENT INC. County, CASS1150 feet from (N) -    line and 1100 feet from    - (W) line of Sec. 19 Twp. 45N Range 32W

REMARKS: \_\_\_\_\_

## INSTRUCTIONS

On the above plat, show distance of the proposed well from the two nearest lease and section lines, and from the nearest well on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well. Do not confuse survey lines with lease lines. See rule 7 - 3 (b) for survey requirements.

RECEIVED

FEB 22 1974

(SEAL)

MISSOURI OIL &amp; GAS COUNCIL

Remit two copies to: Missouri Oil and Gas Council  
P.O. Box 250 Rolla, Mo. 65401  
One will be returned.

Registered Land Surveyor

**MISSOURI OIL AND GAS COUNCIL**  
**WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG**

Form OGC-5

New Well ☐ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☒ Dry ☐

Owner **Kaw Development Company** Address **Rt. 1 - Box 130, Cleveland, Missouri**

Lease Name **Kaw** Well Number **1**

Location **1150' from N line - 1100 ft. from w line** Sec. — TWP-Range or Block & Survey **19 45N - 32 W**

County **Cass** Permit number (OGC3 number)

Date spudded **3-21-74** Date total depth reached **3-23-74** Date completed, ready to produce **3-25-74** Elevation (DF, RKB, RT or Gr.) **feet** Elevation of casing hd. flange **feet**

Total depth **360 ft.** P. B. T. D. **-----**

Producing interval (s) for this completion **300 - 309** Rotary tools used (interval) From **0** to **360** Cable tools used (interval) From **-----** to **-----**

Was this well directionally drilled? **No** Was directional survey made? **No** Was copy of directional survey filed? **None** Date filed **None**

Type of electrical or other logs run (list logs filed with the State Geologist) **None** Date filed **-----**

**CASING RECORD**

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	'Amt. pulled
Surface	7-7/8	6-5/8	12	63'	8	None

**TUBING RECORD**

**LINER RECORD**

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
None in.	----- ft.	----- ft.	5 in.	20 ft.	360 ft.	None	None

**PERFORATION RECORD**

**ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD**

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
2	1/4"	300 - 360	None	-----

**INITIAL PRODUCTION**

Date of first production **3-23-74** Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) **Open flow**

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
3-22-74	1	1"	----- bbls.	<del>001.6</del> MCF	----- bbls.	----- API (Corr)

Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
	14 lbs.		----- bbls.	38. MCF	----- bbls.	-----

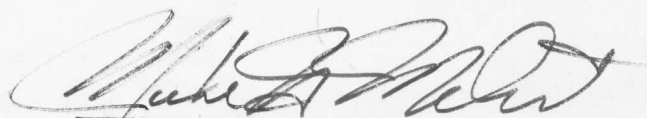
Disposition of gas (state whether vented, used for fuel or sold):

**Used for fuel - domestic**

Method of disposal of mud pit contents:

**None**

CERTIFICATE: I, the undersigned, state that I am the **Geologist** of the **Cullum & Brown, Inc.** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

  
 Signature Contractor

**RECEIVED**

**MAR 27 1974**

**MO. OIL & GAS COUNCIL**

Remit two copies: one will be returned.



White: Driller's copy

Blue: Mail to Missouri Geological Survey

Pink: For well owner

# WATER WELL RECORD

## DRILLERS LOG OF WELL

Kind of rock, color, hard, or soft etc.	From (ft.)	To (ft.)
Clay	0	5
Lime	5	19
Slate, black	19	21
Shale	21	23
Lime	23	41
Shale	41	45
Slate, black	45	46
Lime	46	59
Shale	59	85
Sandy shale - oil show	85	96
Shale	96	118
Lime	118	175
Sandy shale	175	185
Shale	185	237
Shale, red	237	244
Shale	244	247
Lime	247	252
Shale	252	268
Lime	268	274
Sand, oil show	274	280
Shale	280	290
Lime	290	292
Shale	292	298
Lime	298	300
Sand - gas	300	309

## IMPORTANT DATA

Location of Well \_\_\_\_\_ County Cass  
(Show location in Section Plat)


\_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  Sec. 19

T. 45 N, R. 32 E  
W

Total depth 360' Elev. \_\_\_\_\_

Well Owner Kaw Development, Inc.

Address Peculiar, Missouri

Mileage and direction from nearest town or highway \_\_\_\_\_

Drilling Contractor Cullum & Brown, Inc.

Address North Kansas City, Missouri

Date Drilled March 21, 1974

Method of Drilling rotary  
(Cable tool, rotary, reverse rotary, etc.)

Casing Schedule 63'-6"  
(Amount, Size, Setting - New, Used - Steel, Galv., - Gage or Weight)  
340'-4 1/2"

Screen Data (if any): None  
(Length, Diameter, Slot Size, Setting)

Measured depth to water on completed well (Static Level)

is \_\_\_\_\_ ft. below \_\_\_\_\_  
(Land Surface, Top of Casing Etc.)

Tested Yield 38,000 cu. ft. gallons per DAY  
(Min., Hour)

as determined by U-tube OPEN FLOW  
(Bailing, Test Pumping, Etc.)

Drawdown \_\_\_\_\_ ft. after \_\_\_\_\_ hrs.

pumping at \_\_\_\_\_ gal. per minute

Remarks

Perf. 2 1/4 ft. for 300'-60'

Pink: For well owner

## IMPORTANT DATA

Location of Well County Cass  
(Show location in Section Plat)


\_\_\_\_\_  $\frac{1}{4}$  \_\_\_\_\_  $\frac{1}{4}$  Sec. 19

T 45 N, R 32 W

Total depth 360' Elev. \_\_\_\_\_

Well Owner Kaw Development, Inc.

Address Peculiar, Missouri

Mileage and direction from nearest town or highway—

Drilling Contractor Cullum & Brown, Inc.

Address North Kansas City, Missouri

Date Drilled March 21, 1974

Method of Drilling rotary  
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(Amount, Size, Setting - New, Used - Steel, Galv., - Gage or Weight)  
340'-4 $\frac{1}{2}$ "

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as determined by U-tube OPEN FLOW  
(Bailing, Test Pumping, Etc.)

Drawdown \_\_\_\_\_ ft. after \_\_\_\_\_ hrs

pumping at \_\_\_\_\_ gal. per minute \_\_\_\_\_

Remarks